

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097867.D
 Acq On : 19 Aug 2017 7:55
 Operator : SJ/JU
 Sample : I4820-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K8-BASE

Quant Time: Aug 21 00:53:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	113179	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	441633	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	190326	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	346367	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	292151	20.00	ng	-0.01
86) Perylene-d12	15.36	264	260856	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	902499	121.29	ng	0.00
7) Phenol-d6	6.41	99	1202320	118.93	ng	0.00
23) Nitrobenzene-d5	7.33	82	749997	92.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	204322	123.73	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	924451	71.36	ng	-0.01
78) Terphenyl-d14	12.88	244	715521	51.07	ng	-0.01

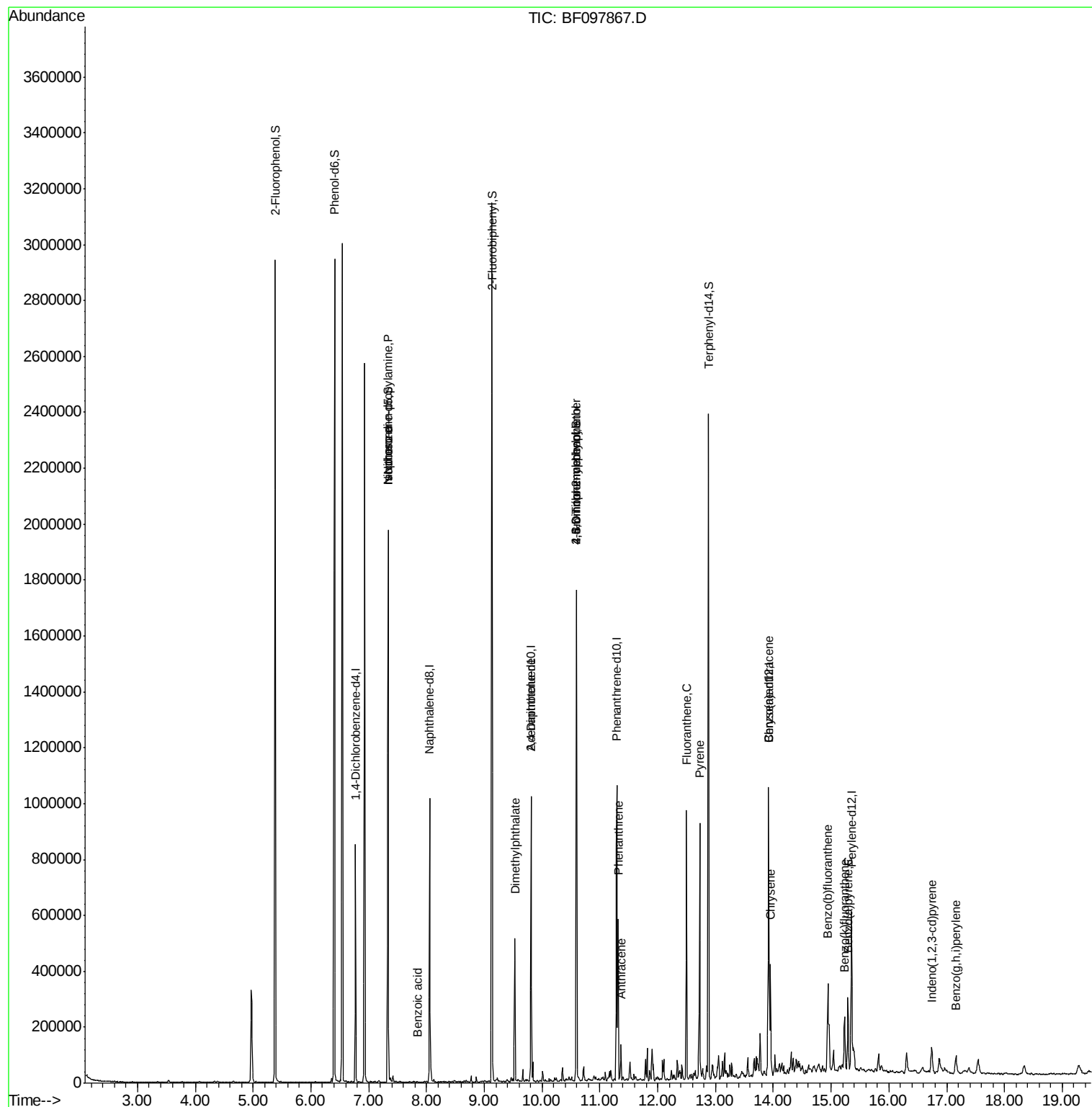
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	102500	14.81	ng	# 73
25) Isophorone	7.33	82	744417	44.04	ng	# 67
32) Benzoic acid	7.84	122	272	6.45	ng	# 29
49) Dimethylphthalate	9.53	163	178544	12.83	ng	99
56) 2,4-Dinitrotoluene	9.80	165	24813	7.12	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.59	198	478	8.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	13830	3.85	ng	# 1
70) Phenanthrene	11.32	178	204616	11.09	ng	98
71) Anthracene	11.36	178	40438	2.16	ng	98
74) Fluoranthene	12.50	202	358935	18.63	ng	99
77) Pyrene	12.73	202	335069	14.02	ng	99
80) Benzo(a)anthracene	13.92	228	143002	8.17	ng	96
82) Chrysene	13.95	228	142971	8.21	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	58679	4.58	ng	# 91
87) Benzo(b)fluoranthene	14.94	252	220308	13.40	ng	98
88) Benzo(k)fluoranthene	15.23	252	77752	5.03	ng	98
89) Benzo(a)pyrene	15.29	252	118538	8.14	ng	97
91) Benzo(g,h,i)perylene	17.16	276	54315	4.39	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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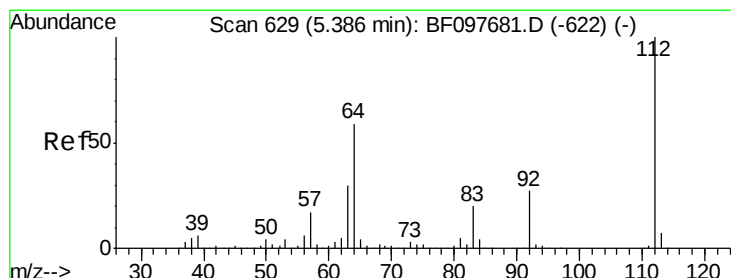
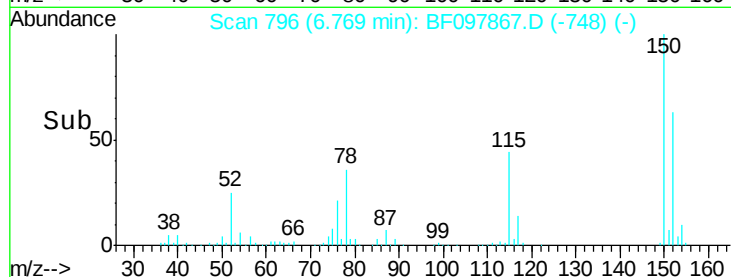
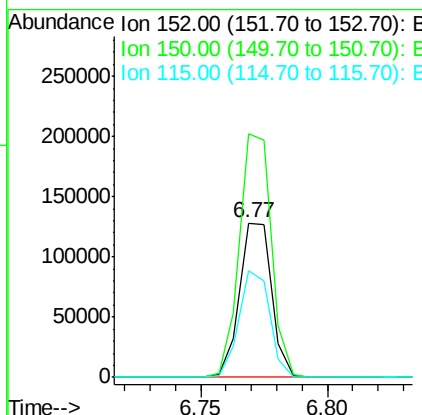
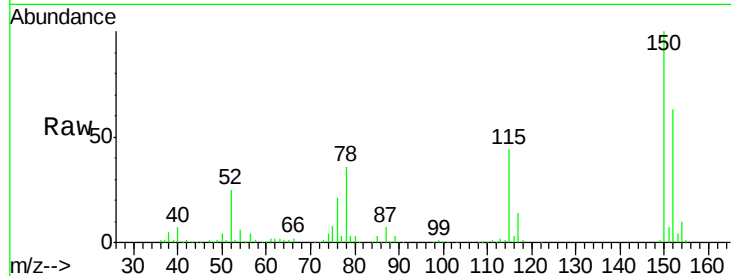


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

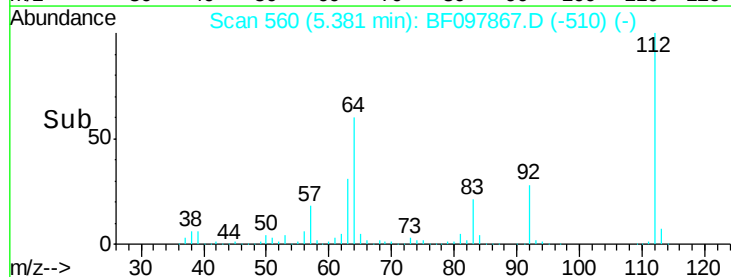
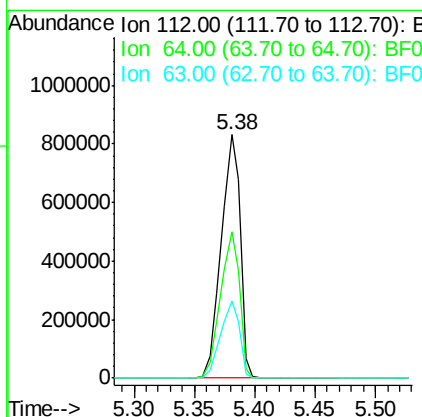
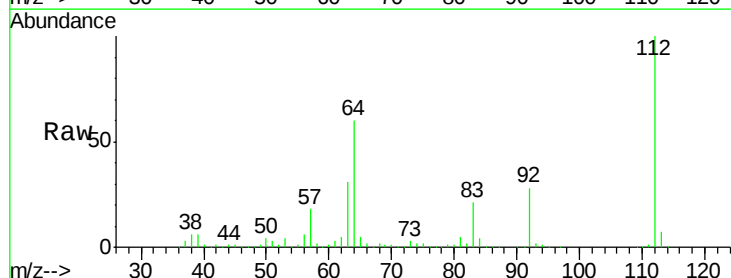
Tot Ion:152 Resp: 113179
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 69.1 52.2 78.2

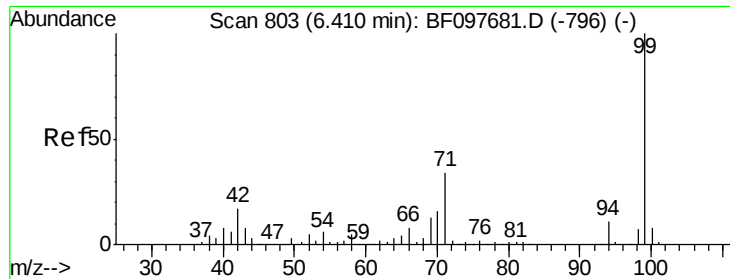


#5

2-Fluorophenol
Concen: 121.29 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion:112 Resp: 902499
Ion Ratio Lower Upper
112 100
64 60.2 46.0 69.0
63 31.5 23.4 35.0





#7

Phenol-d6

Concen: 118.93 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

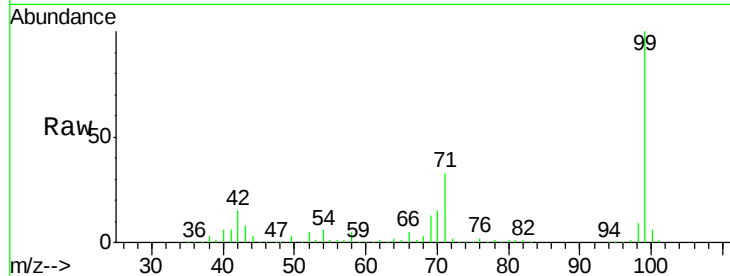
BNA_F

ClientSampled :

E2-K8-BASE

Tot Ion: 99 Resp: 1202320

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	32.8	24.5	36.7

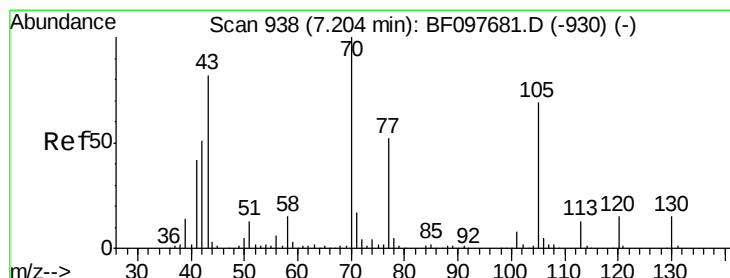
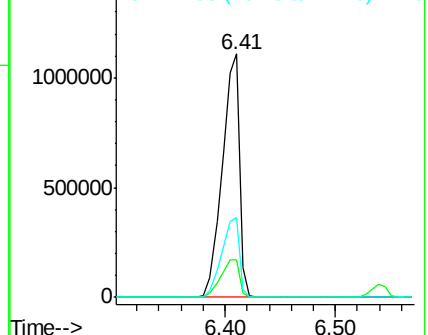
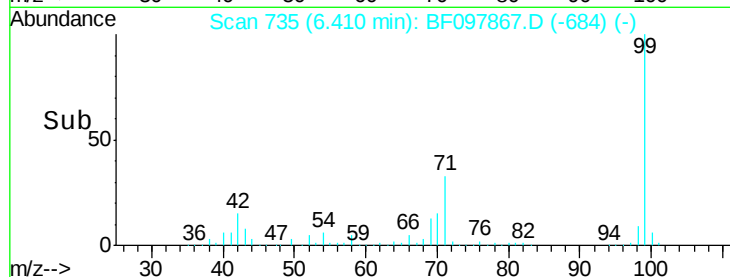


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.81 ng

RT: 7.33 min Scan# 892

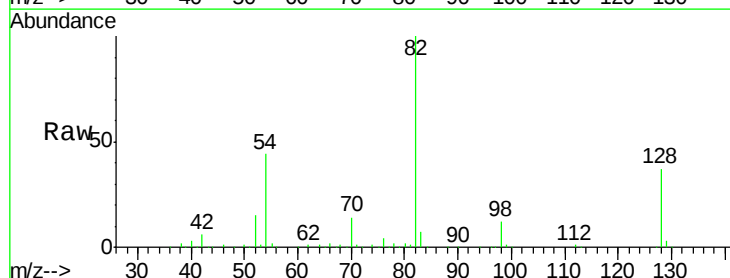
Delta R.T. 0.13 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Tgt Ion: 70 Resp: 102500

Ion	Ratio	Lower	Upper
70	100		
42	41.8	47.2	70.8#
101	0.0	7.2	10.8#
130	1.7	15.9	23.9#



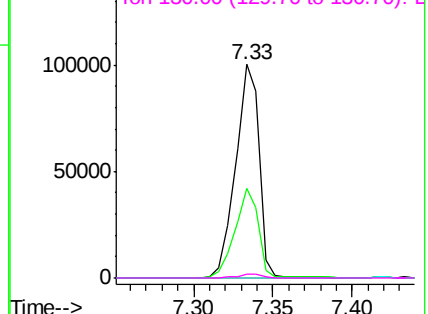
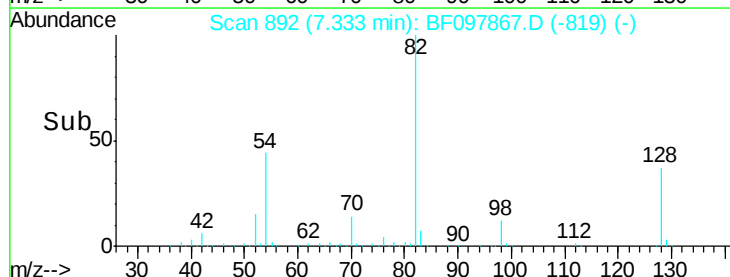
Abundance

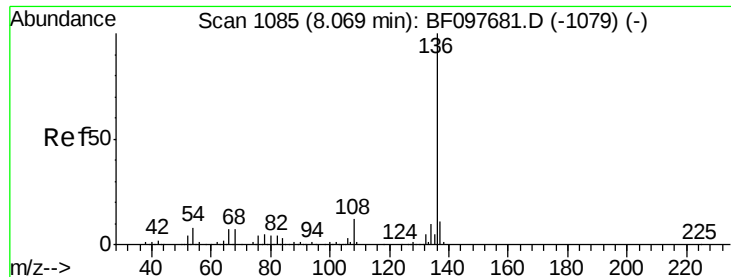
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

Tot Ion:136 Resp: 441633

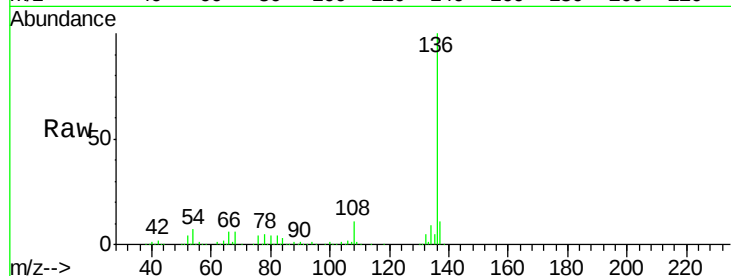
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.1 4.9 7.3

68 6.3 4.1 6.1#

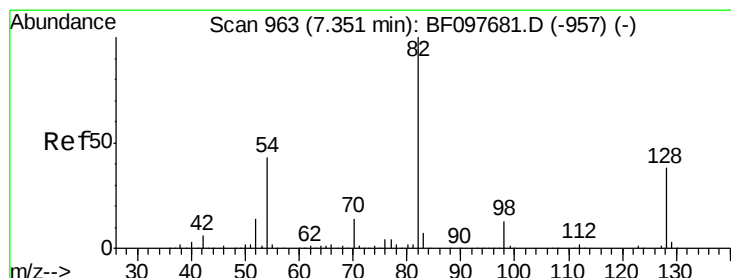
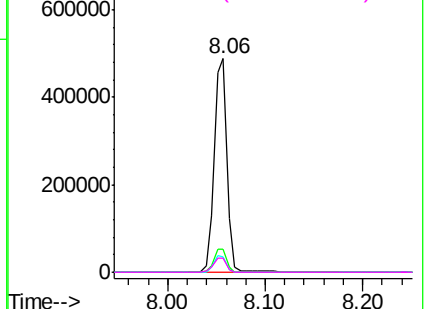
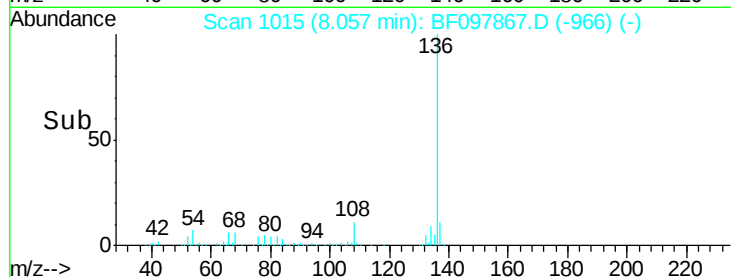


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 92.26 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

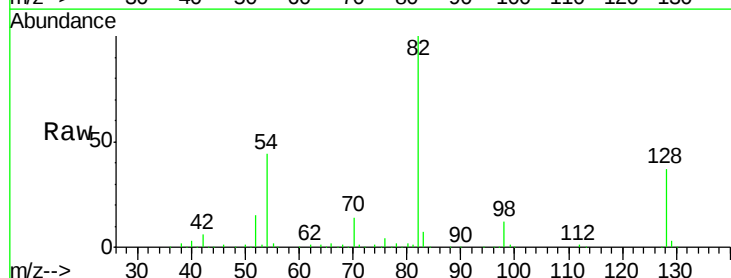
Tgt Ion: 82 Resp: 749997

Ion Ratio Lower Upper

82 100

128 37.5 34.0 51.0

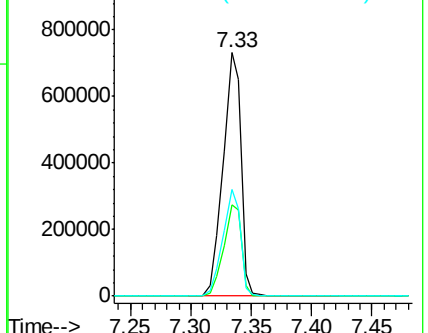
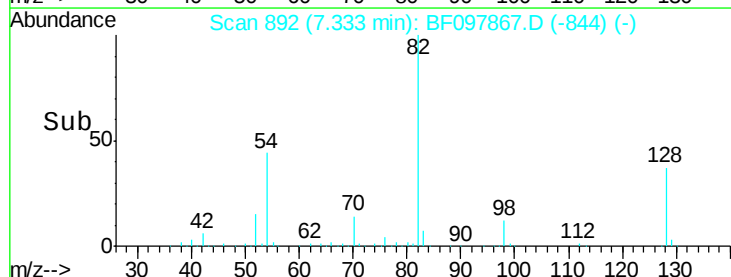
54 43.6 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.04 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

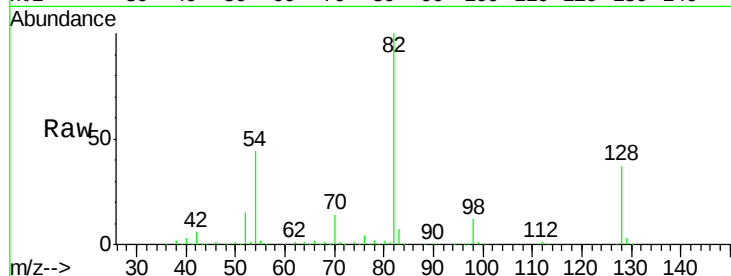
Tot Ion: 82 Resp: 744417

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

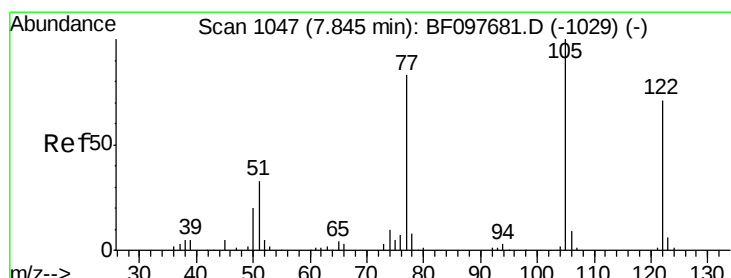
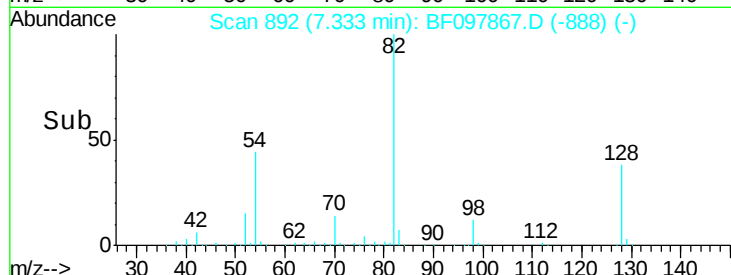
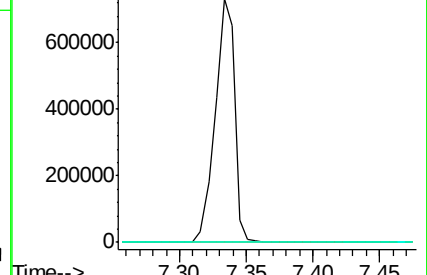
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 6.45 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

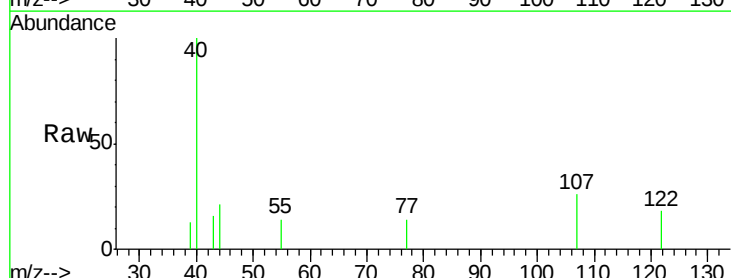
Tgt Ion: 122 Resp: 272

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

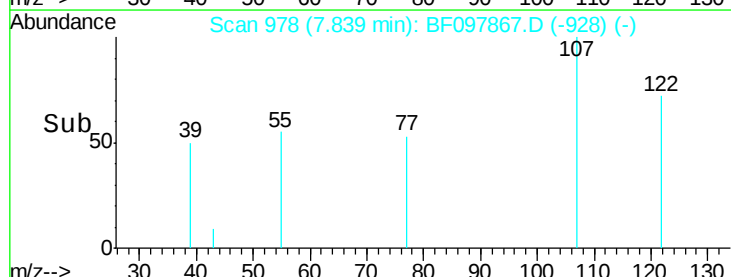
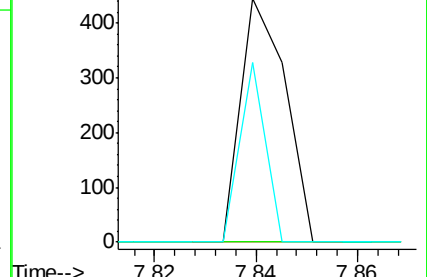
77 73.9 73.7 113.7

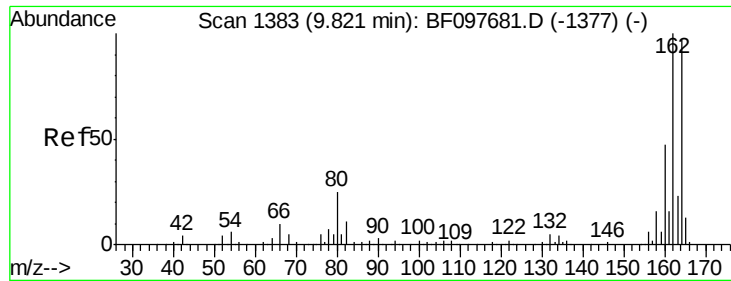


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

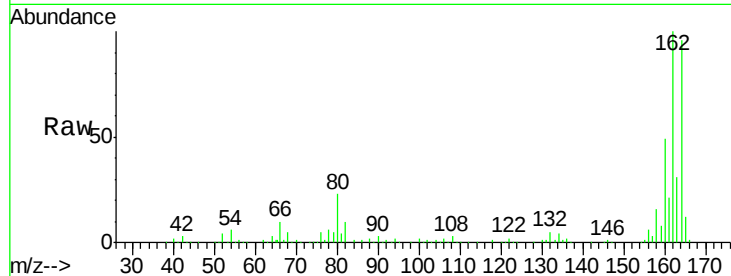




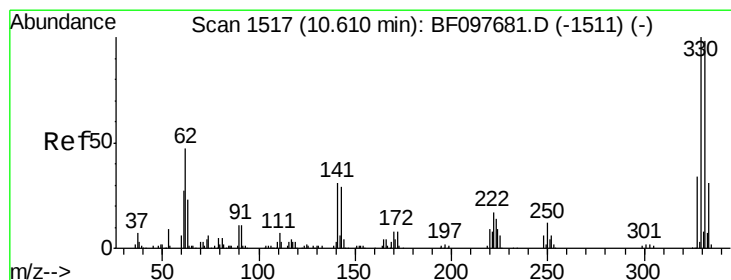
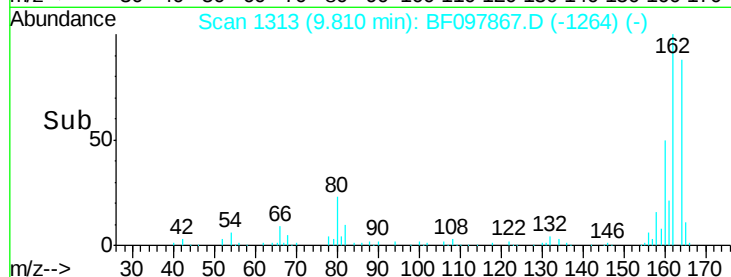
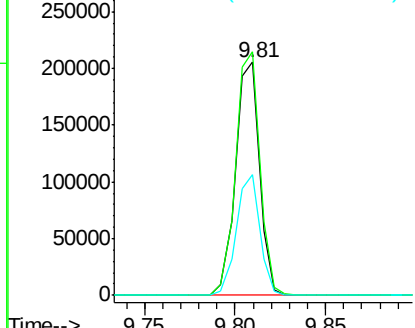
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	51.5	36.2	54.2

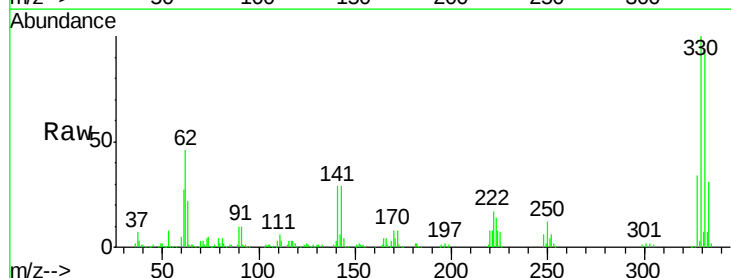


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

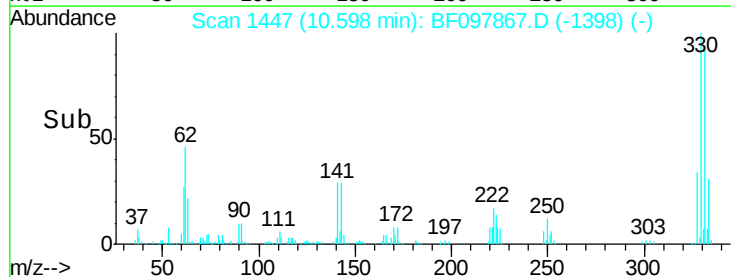
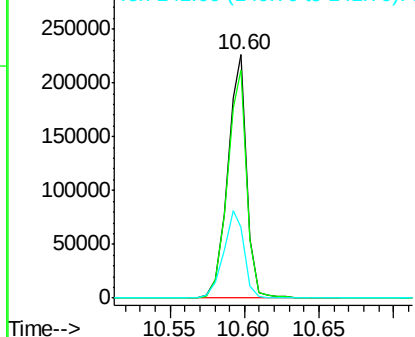


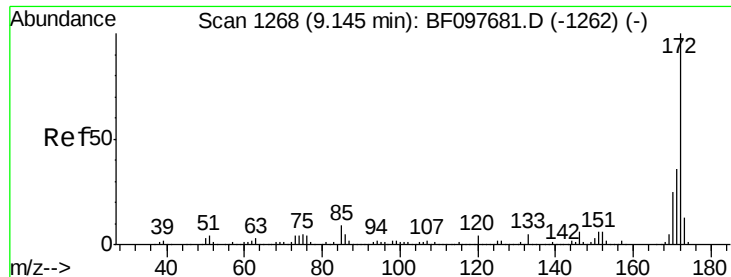
#41
 2,4,6-Tribromophenol
 Concen: 123.73 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	39.1	31.4	47.2



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

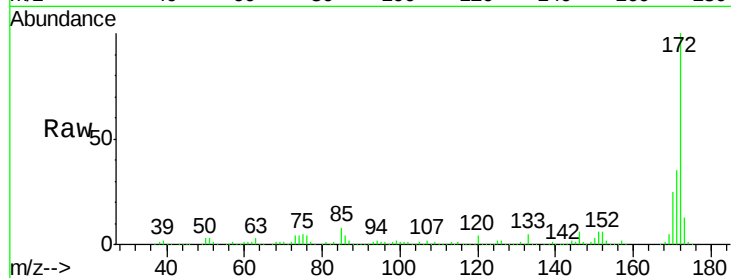




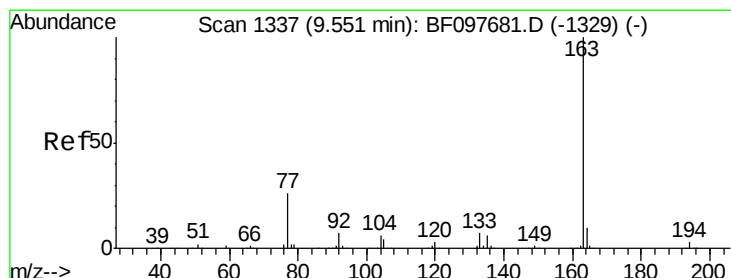
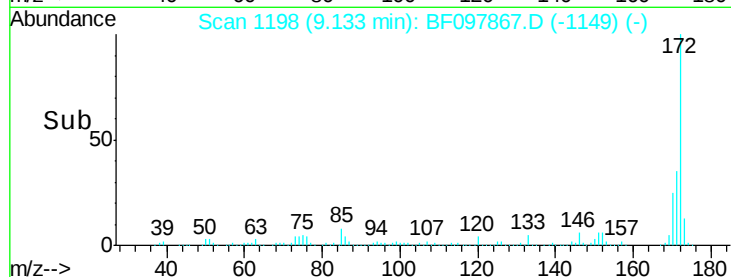
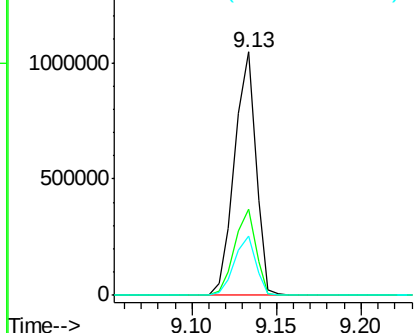
#44
2-Fluorobiphenyl
Concen: 71.36 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion:172 Resp: 924451
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 24.6 19.8 29.8

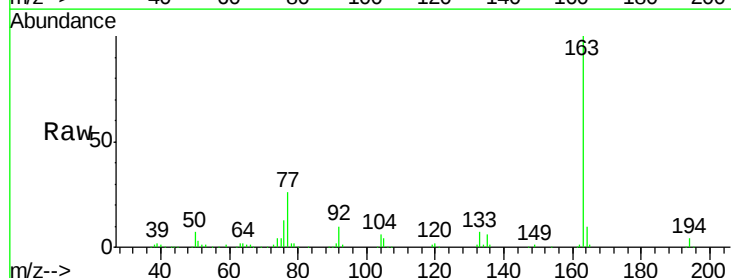


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

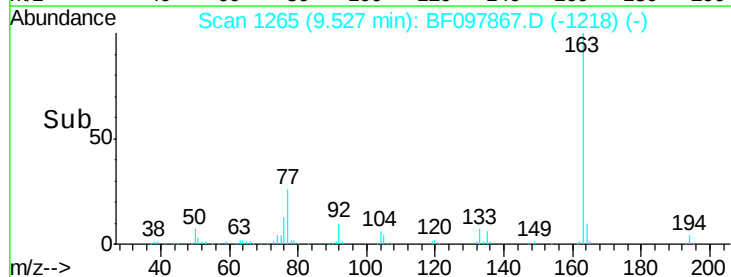
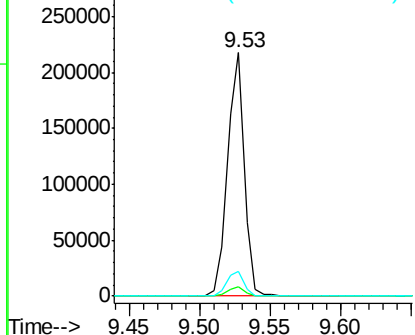


#49
Dimethylphthalate
Concen: 12.83 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion:163 Resp: 178544
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

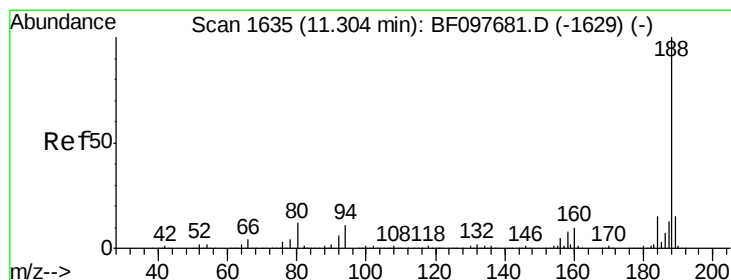
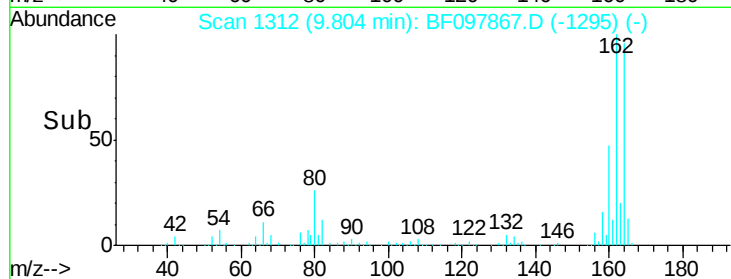
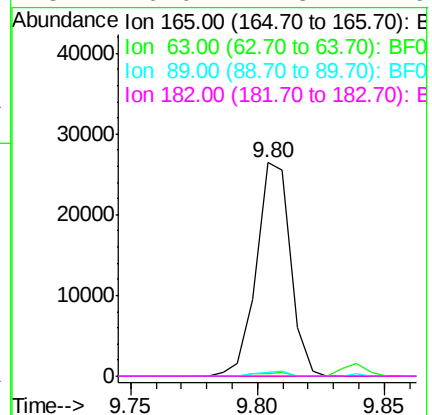
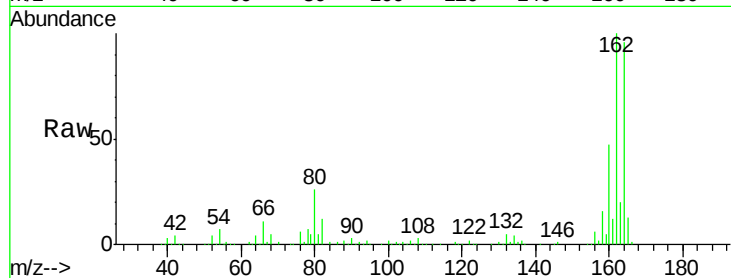




#56
 2,4-Dinitrotoluene
 Concen: 7.12 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

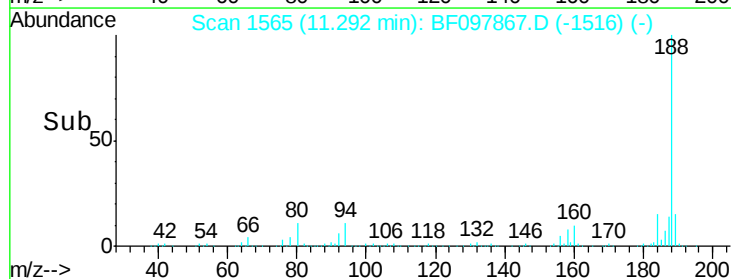
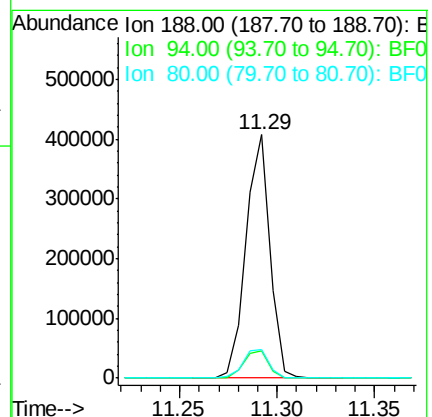
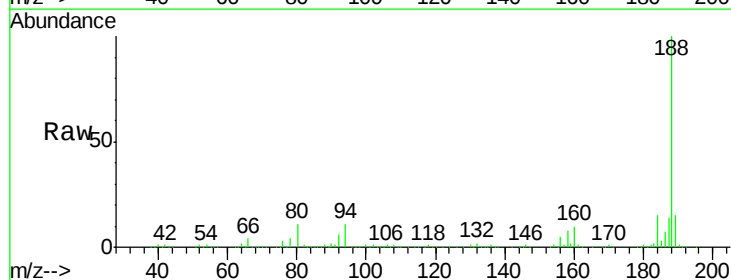
Instrument :
 BNA_F
 ClientSampleId :
 E2-K8-BASE

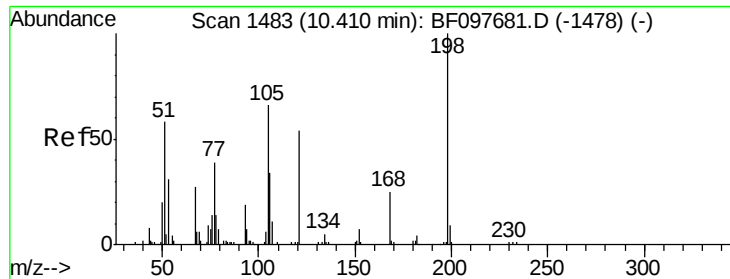
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.5	10.2	15.2

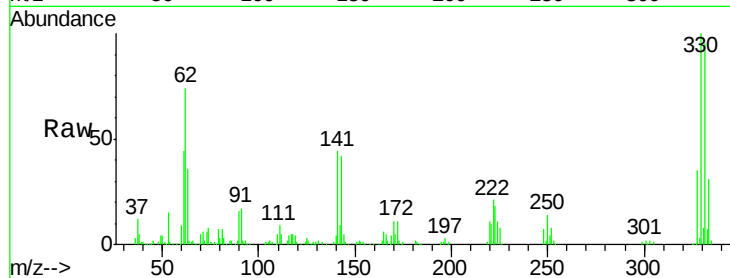




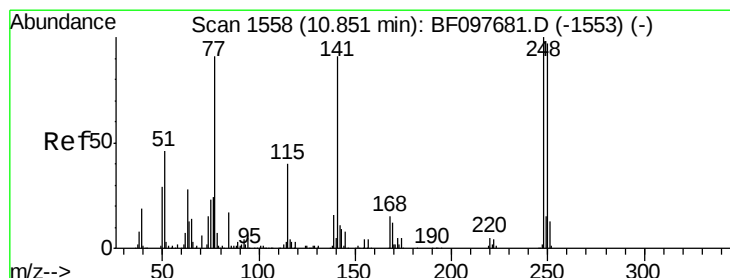
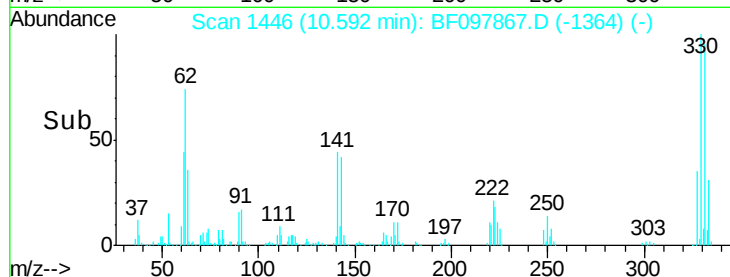
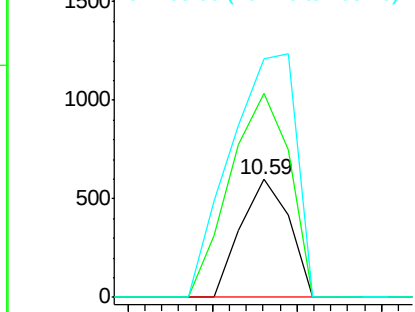
#64
4,6-Dinitro-2-methylphenol
Concen: 8.56 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion:198 Resp: 478
Ion Ratio Lower Upper
198 100
51 173.2 53.2 93.2#
105 202.7 45.8 85.8#

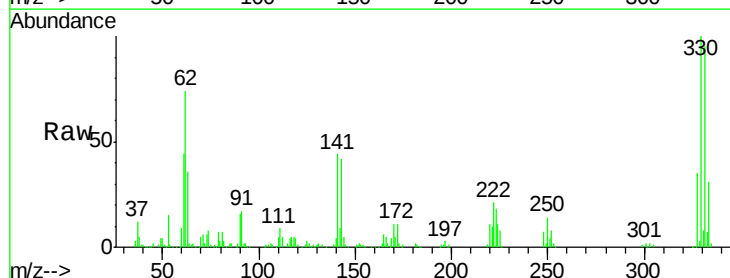


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

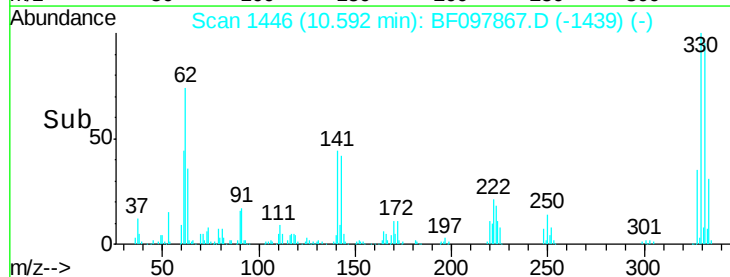
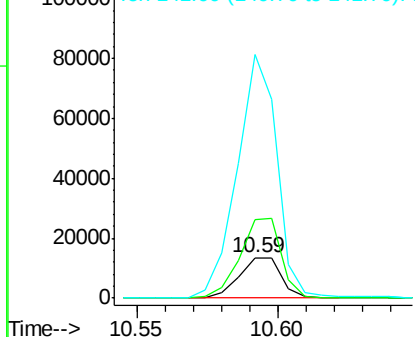


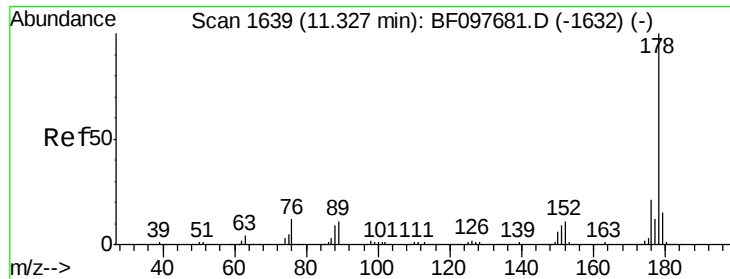
#66
4-Bromophenyl-phenylether
Concen: 3.85 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.26 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion:248 Resp: 13830
Ion Ratio Lower Upper
248 100
250 195.6 76.8 115.2#
141 606.0 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

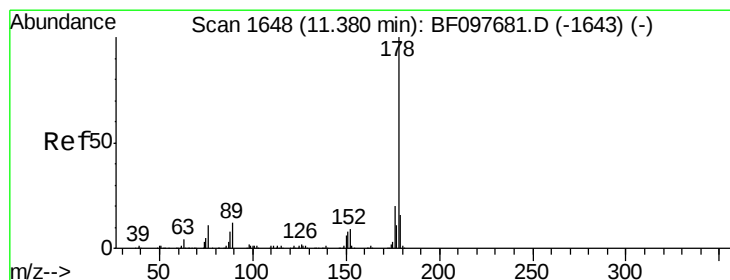
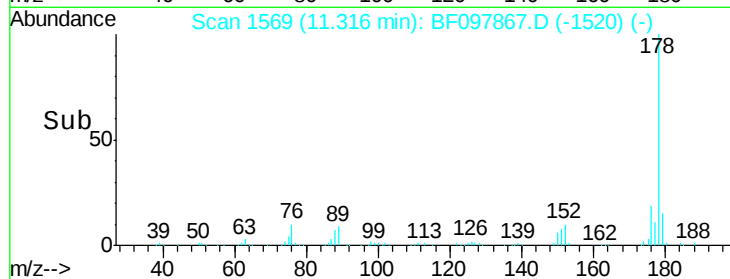
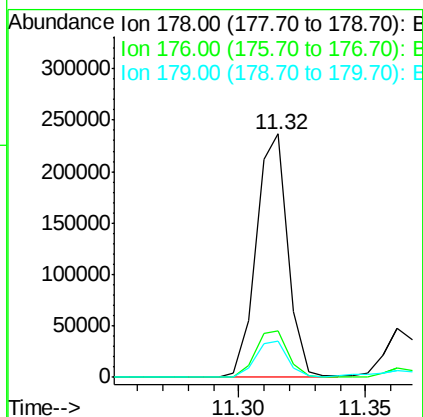
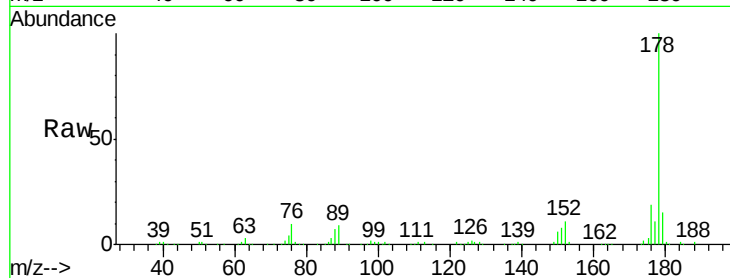




#70
Phenanthrene
Concen: 11.09 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

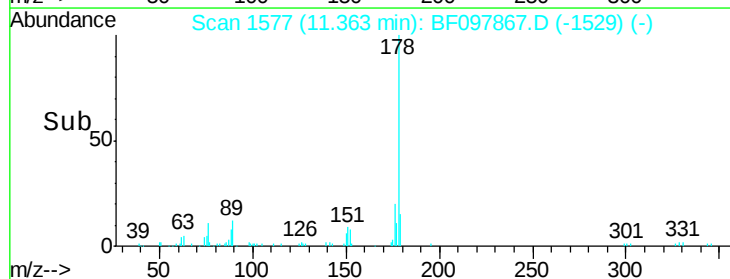
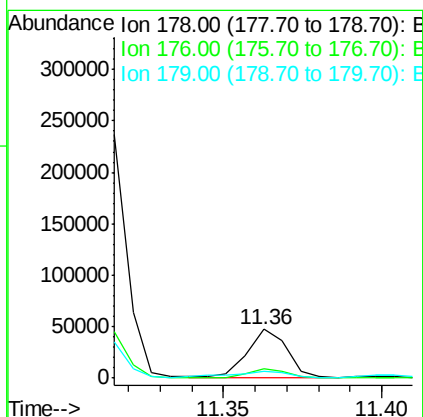
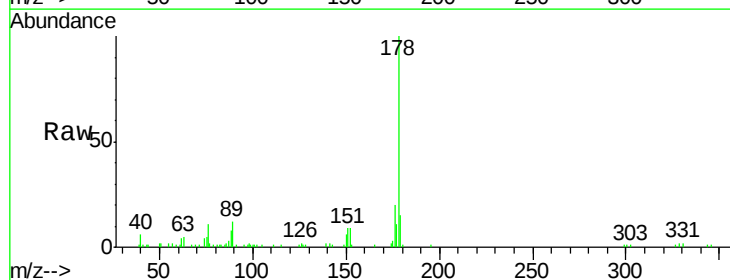
Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

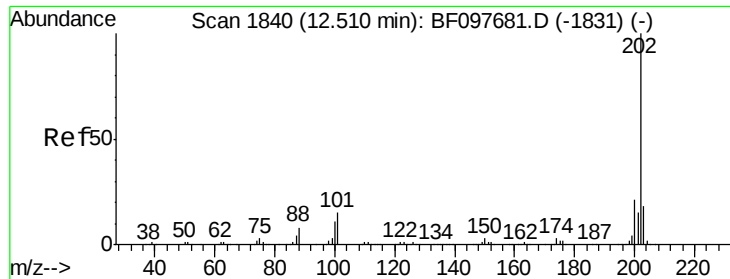
Tot Ion:178 Resp: 204616
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.1 12.6 19.0



#71
Anthracene
Concen: 2.16 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion:178 Resp: 40438
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.2 12.7 19.1





#74

Fluoranthene

Concen: 18.63 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

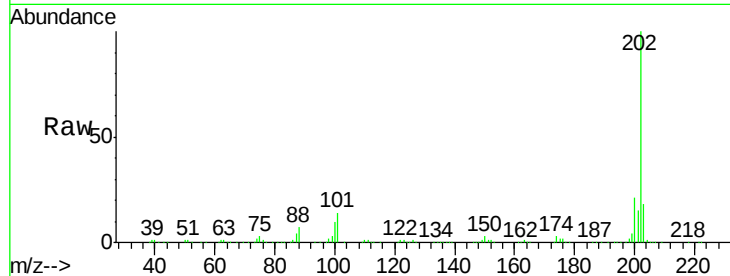
Tot Ion:202 Resp: 358935

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

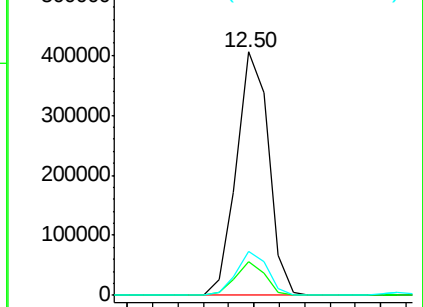
203 17.8 0.0 38.1



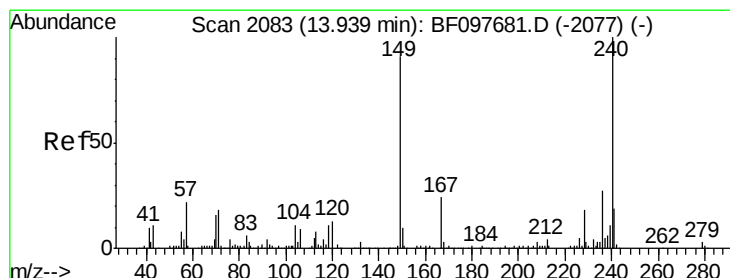
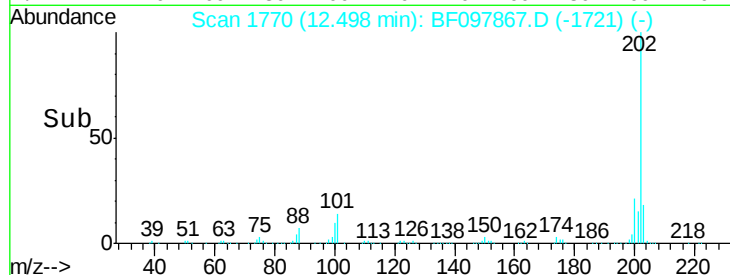
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

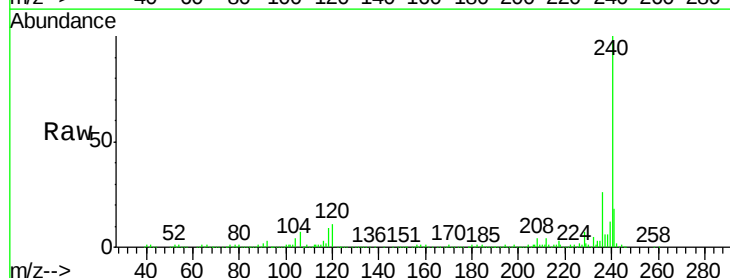
Tgt Ion:240 Resp: 292151

Ion Ratio Lower Upper

240 100

120 11.2 5.8 8.8#

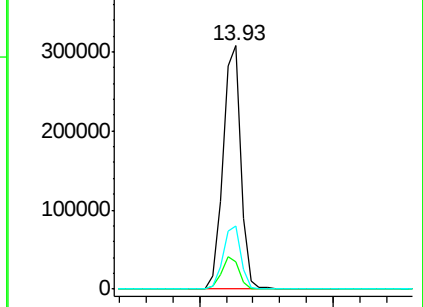
236 25.7 20.5 30.7



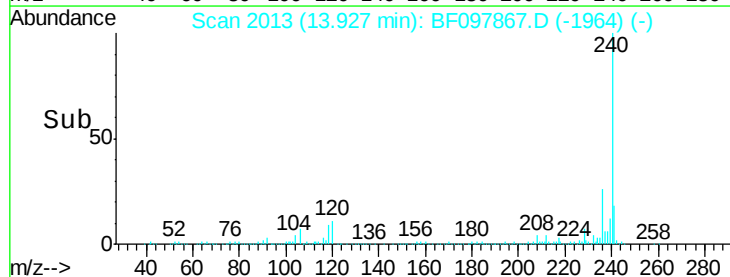
Abundance Ion 240.00 (239.70 to 240.70): E

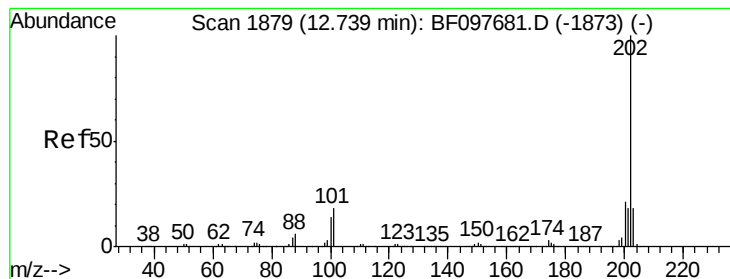
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 14.02 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

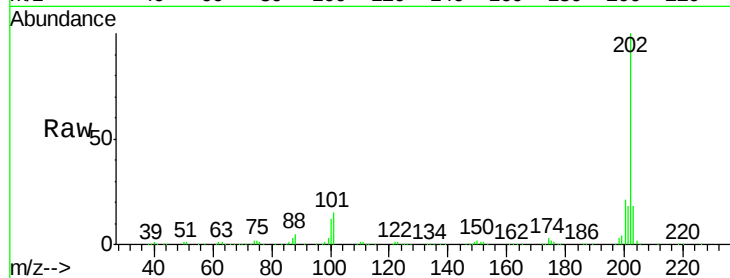
Tot Ion:202 Resp: 335069

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

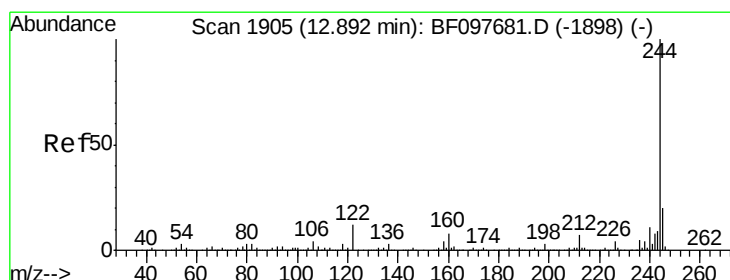
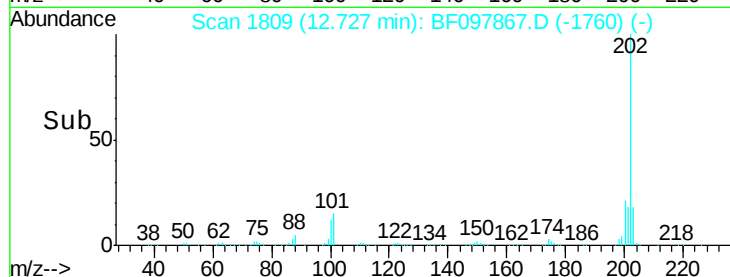
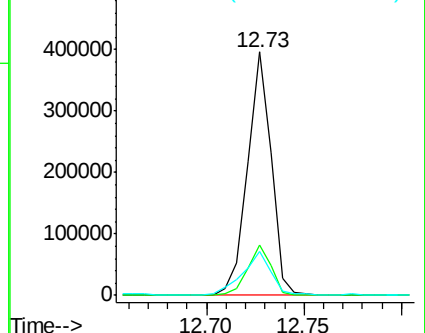
203 18.0 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 51.07 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

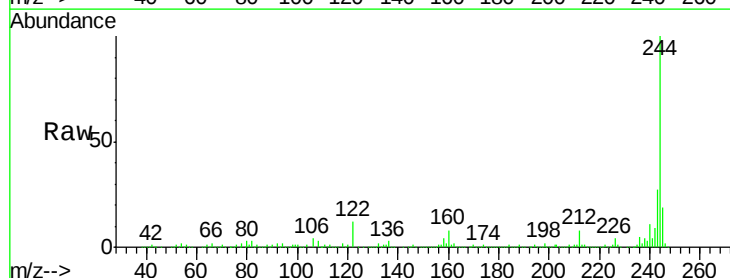
Tgt Ion:244 Resp: 715521

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

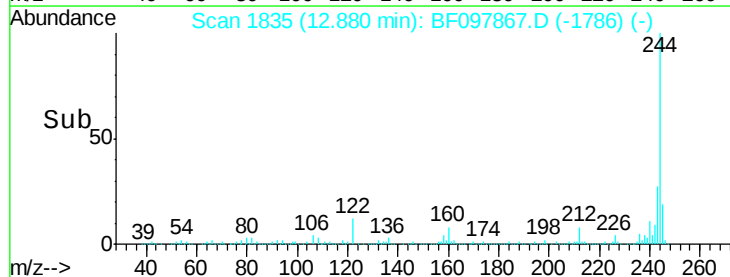
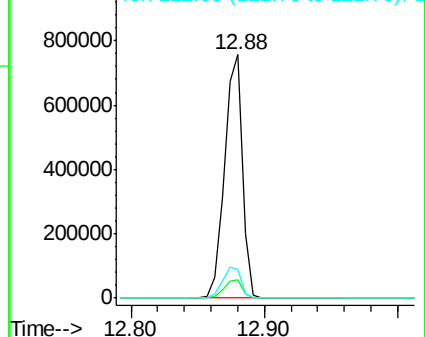
122 12.0 10.3 15.5

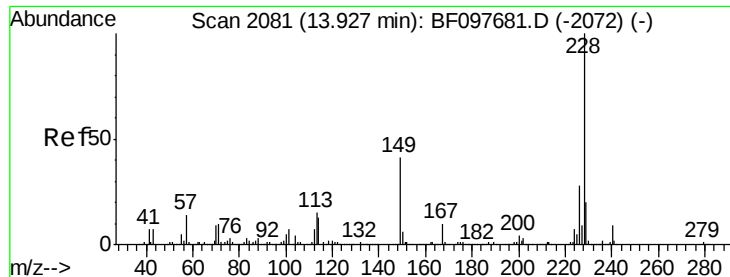


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.17 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

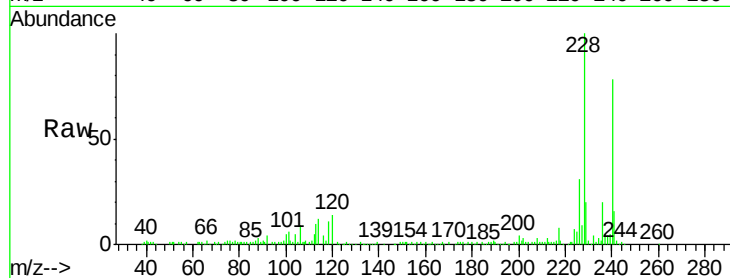
Tot Ion:228 Resp: 143002

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

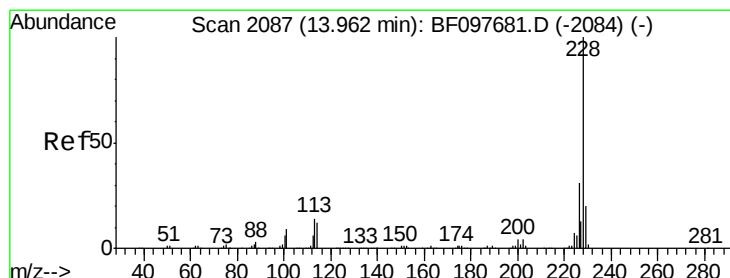
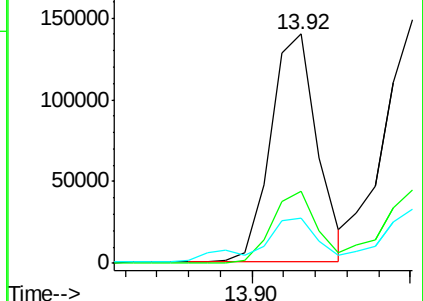
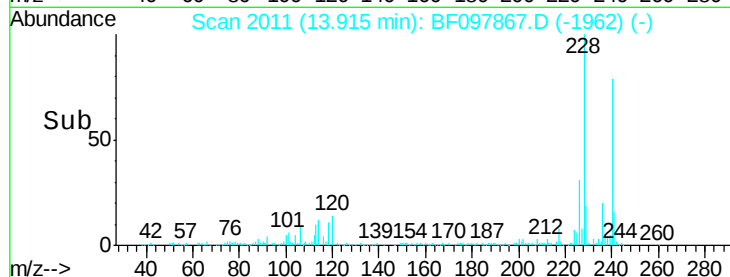
229 19.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 8.21 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

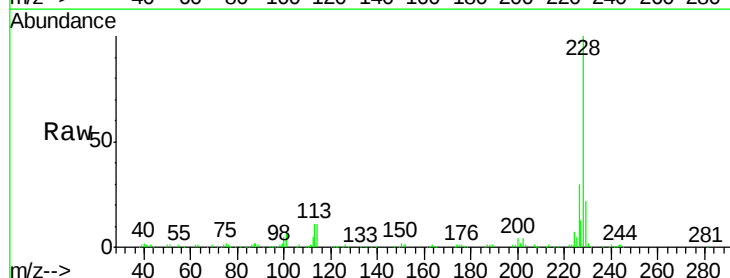
Tgt Ion:228 Resp: 142971

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

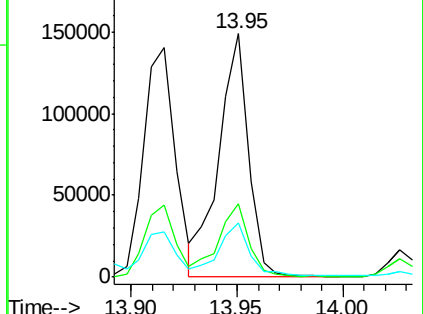
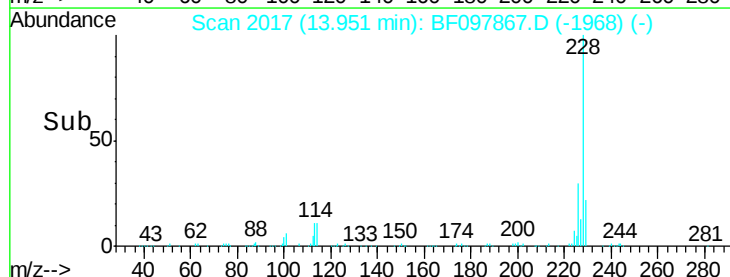
229 22.2 15.8 23.6

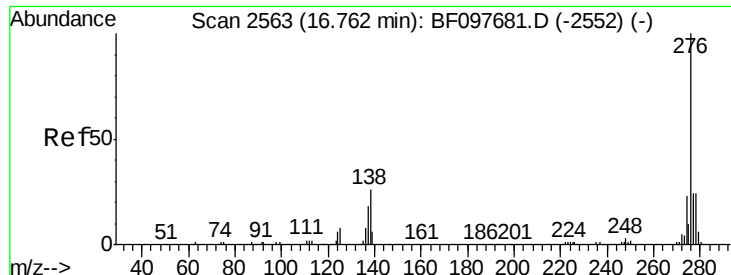


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

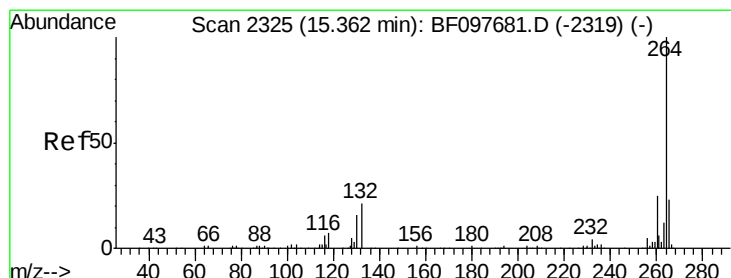
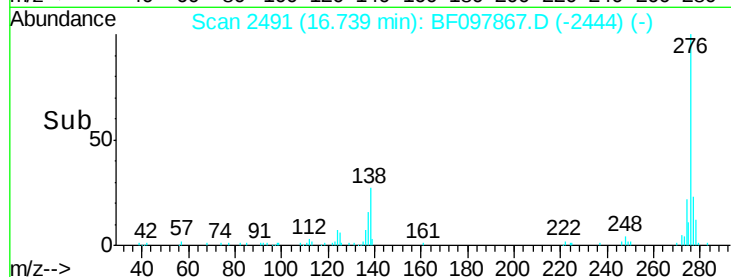
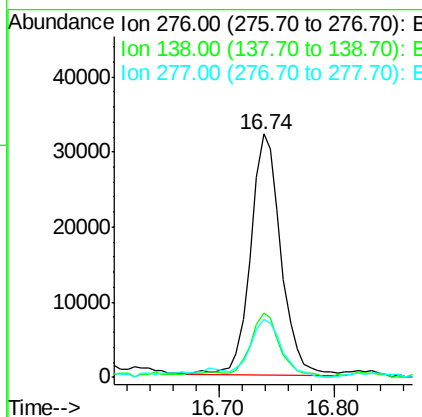
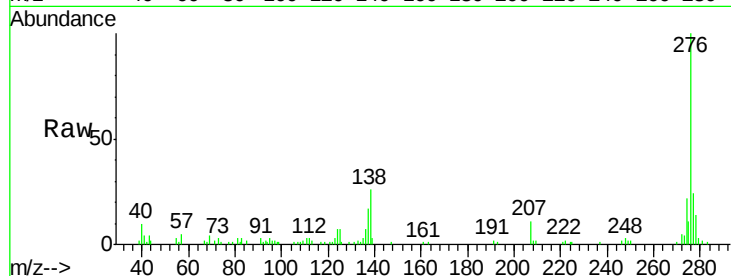




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.58 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

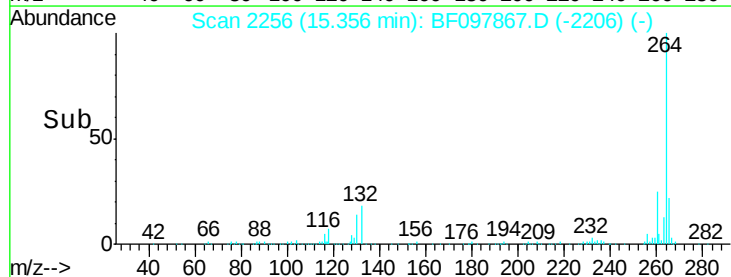
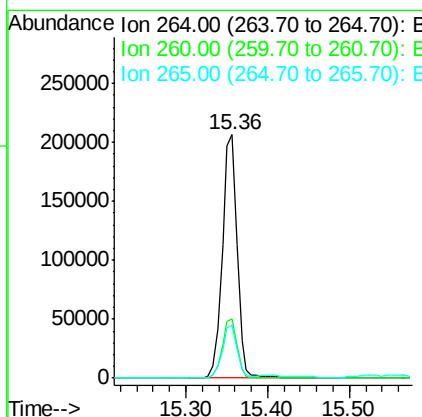
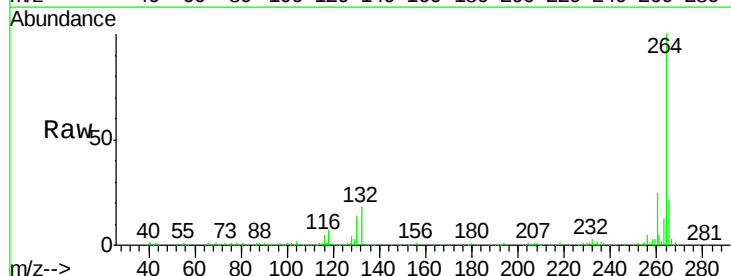
Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

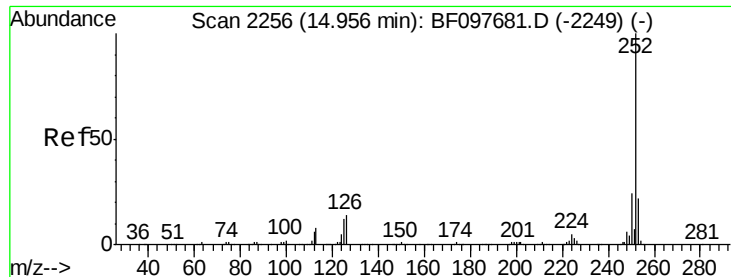
Tot Ion:276 Resp: 58679
Ion Ratio Lower Upper
276 100
138 26.1 27.8 41.6#
277 24.9 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion:264 Resp: 260856
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 13.40 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

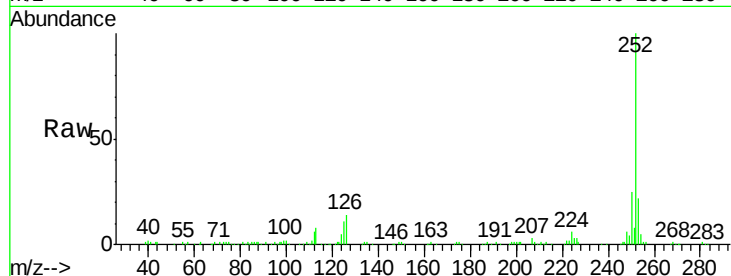
Tot Ion:252 Resp: 220308

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

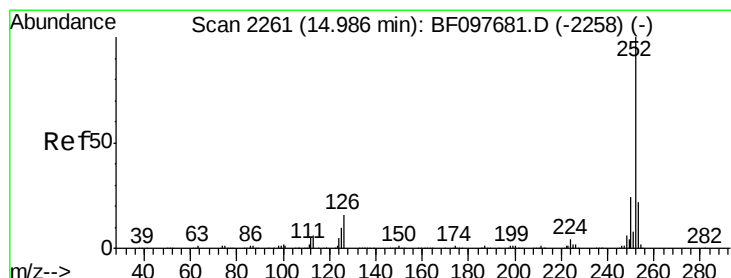
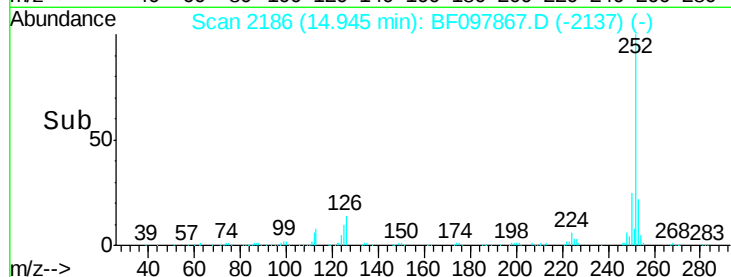
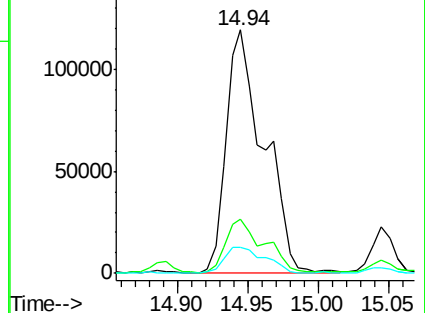
125 10.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.03 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.25 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

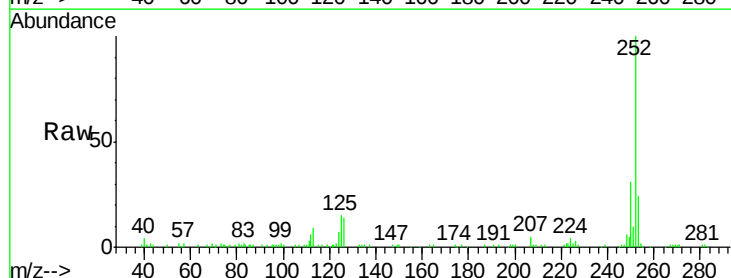
Tgt Ion:252 Resp: 77752

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

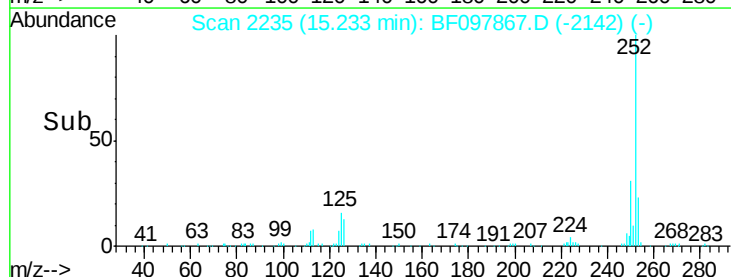
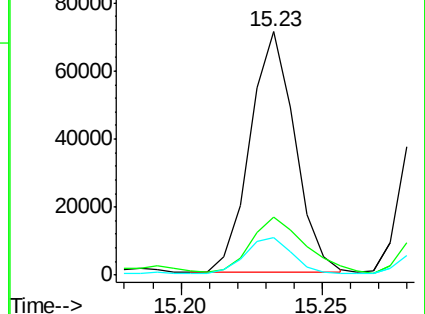
125 15.5 13.1 19.7

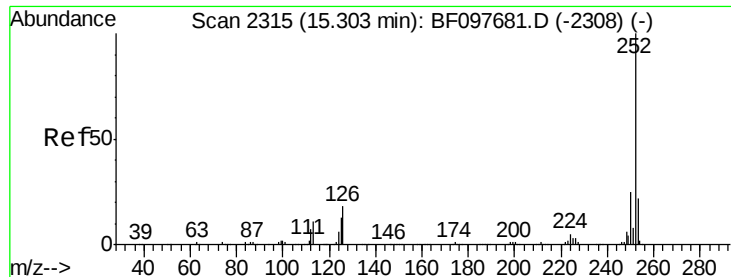


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.14 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-K8-BASE

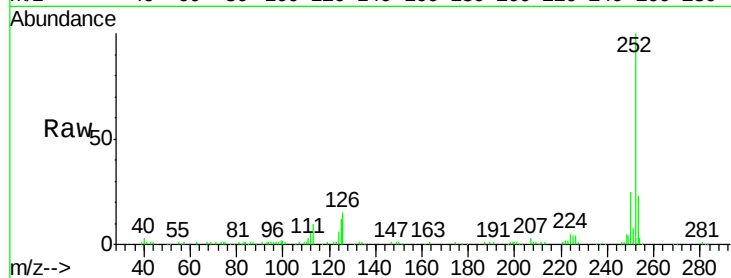
Tot Ion:252 Resp: 118538

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

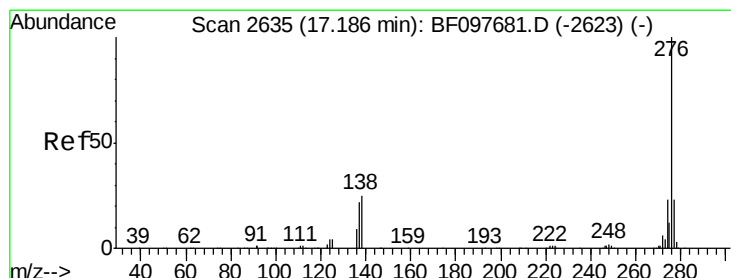
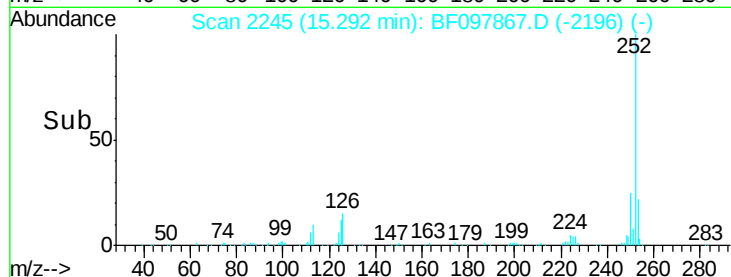
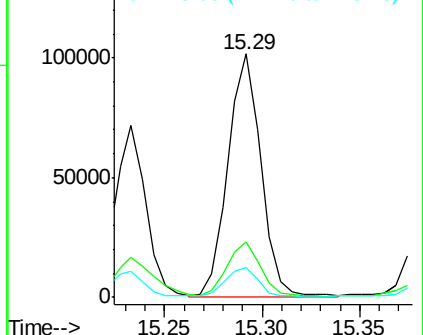
125 12.1 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.39 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.02 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

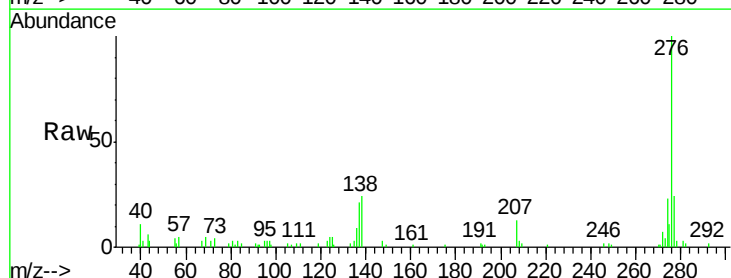
Tgt Ion:276 Resp: 54315

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 23.7 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

